

WHAT IS CLAIMED IS:

1. A position determining device for determining a position of a subject movable within a predetermined movement range, the position determining device comprising:

a relative position determiner for determining a relative moving amount of the subject with respect to a reference point; and

an absolute position determiner for determining an absolute position of the subject within the movement range;

wherein the position determining device determines the position of the subject in accordance with data outputted from both of the relative position determiner and the absolute position determiner.

2. The position determining device as defined in claim 1, wherein:

the relative position determiner comprises an incremental rotary encoder and a counter for counting encode pulses outputted from the rotary encoder; and

the absolute position determiner comprises a potentiometer.

3. The position determining device as defined in claim 1, wherein the subject is a control member of a lens control unit for controlling at least one of focus and zoom of a TV lens electrically.

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a relative position determiner for determining a relative moving amount of the subject with respect to a reference point; and

an absolute position determiner for determining an absolute position of

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after the absolute position determiner detects the subject being at the limit of the movement range, the reference point for determination of the relative position determiner is established at the limit of the movement range of the subject, and the position determining device determines the position of the subject in accordance with data outputted from the relative position determiner.

- the relative position determiner comprises an incremental rotary encoder and a counter for counting encode pulses outputted from the rotary encoder; and
the absolute position determiner comprises a potentiometer.

6. The position determining device as defined in claim 4, wherein the subject is a control member of a lens control unit for controlling at least one of focus and zoom of a TV lens electrically.

7. A position determining device for determining a position of a subject movable within a predetermined movement range, the position determining device comprising:

a relative position determiner for determining a relative moving amount of the subject with respect to a reference point;

an absolute position determiner for determining an absolute position of the subject within the movement range; and

a storage device for previously storing standard output data of the

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8. The position determining device as defined in claim 7, wherein, upon being turned on, the position determining device obtains a plurality of pieces of the data outputted from the absolute position determiner and data outputted from the relative position determiner to judge reliability of the obtained data outputted from the absolute position determiner.
9. The position determining device as defined in claim 7, wherein:
the relative position determiner comprises an incremental rotary encoder and a counter for counting encode pulses outputted from the rotary encoder; and
the absolute position determiner comprises a potentiometer.
10. The position determining device as defined in claim 7, wherein the subject is a control member of a lens control unit for controlling at least one of focus and zoom of a TV lens electrically.